

CERAFLOUR 1002

Biodegradable, micronized polymer with wax-like properties based on renewable raw materials for aqueous, solvent-borne, solvent-free, and UV systems for matting and improving surface protection while maintaining high transparency. Creates a soft feel effect and a slightly textured surface.

Product data

Composition

Micronized polyester

VOC-free (< 1500 ppm)
 From bio-based raw
 materials

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.25 g/cm ³
Melting point:	175 °C
Particle size distribution D50:	6 µm
Particle size distribution D90:	31 µm
Bio-based carbon content (ASTM D6866):	97 %
Delivery form:	micropowder

Storage and transportation

Product shelf life in unopened original packaging: 24 months

Temperature sensitive. To be stored and transported at a temperature below 50 °C.

Special note

CERAFLOUR 1002 is readily biodegradable and is therefore sensitive to microbial infestation if stored in open containers in a damp environment.

Applications

Coatings industry

Special features and benefits

CERAFLOUR 1002 enhances scratch resistance and creates a soft feel effect. The additive has a matting effect, especially in radiation curable systems, and produces very transparent coatings. CERAFLOUR 1002 facilitates the creation of a slightly textured surface thanks to its particle size distribution. It has no effect on the viscosity and surface slip, and does not cause foam stabilization. CERAFLOUR 1002 is readily biodegradable and is composed of > 97% renewable raw materials.

Recommended use

The additive is recommended for aqueous, solvent-borne, solvent-free, and UV systems.

Wood and furniture coatings	<input checked="" type="checkbox"/>
General industrial coatings	<input checked="" type="checkbox"/>
Floor coatings	<input type="checkbox"/>
Architectural coatings	<input type="checkbox"/>

especially recommended recommended

Recommended levels

1-10 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The additive should preferably be post-added to the coating using a low shear rate. Aqueous slurries of CERAFLOUR 1002 that will not be processed immediately must have a suitable preservative added so as to protect against microbial infestation.

Printing inks**Special features and benefits**

CERAFLOUR 1002 reduces the gloss value of aqueous and solvent-borne printing inks, overprint varnishes, and radiation curable systems, while simultaneously ensuring high transparency. The additive provides an excellent soft feel effect and can also provide anti-slip properties when used in high doses.

Recommended levels

1-5 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The additive should preferably be incorporated into the printing ink or overprint varnish at a medium shear rate at the end of the production process.



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